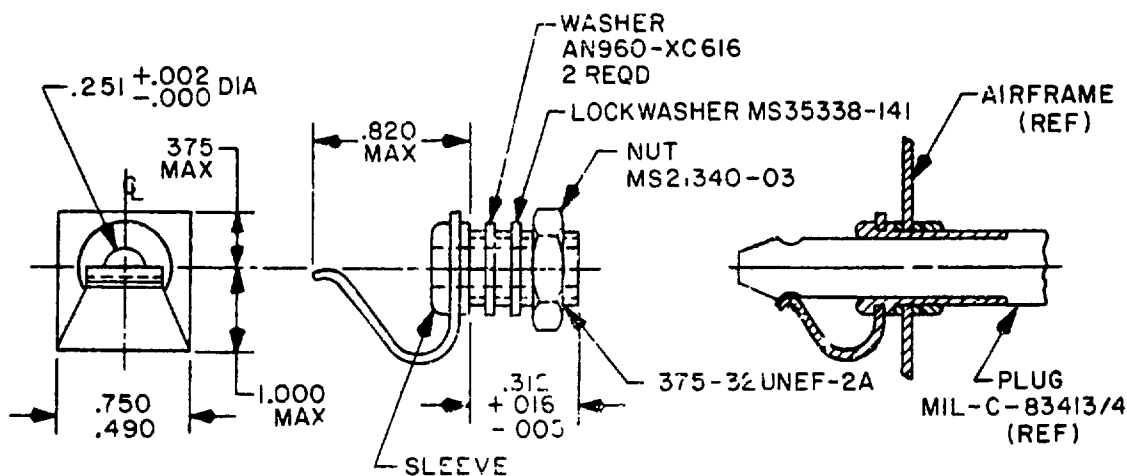


MILITARY SPECIFICATION SHEET  
 CONNECTORS AND ASSEMBLIES, ELECTRICAL, AIRCRAFT  
 GROUNDING: RECEPTACLES, ONE PIECE

INACTIVE FOR NEW DESIGN AFTER 1 JAN 84.  
 FOR NEW DESIGN USE MIL-C-83423/6.

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the receptacles described herein shall consist of this specification and the issue in effect of MIL-C-83413.



INCHES	MM
.001	.03
.002	.05
.005	.13
.010	.41
.251	6.38
.312	7.92
.375	9.53
.490	12.45
.750	19.05
.820	20.83
1.000	25.40

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is  $\pm .016$  (.41 mm).
4. Where only maximum dimensions are shown, the receptacle need not have the shape shown, but the receptacle including all protrusions shall be contained within maximum outline shown.

FIGURE 1 Grounding receptacle, one-piece

MIL-C-83413/5

REQUIREMENTS.

Material:

Sleeve: Brass per QQ-B-613.

Contact. Phosphor bronze per QQ-B-750, composition A, spring temper.

Finish Cadmium plate per QQ-P-416, type II, class 2, or aluminum coating or plating.

Threads: Per FED-STD-H28.

Detent action Shall be provided for the mating plug.

Torque: In addition to meeting the requirements of MIL-C-83413, the receptacle shall be held fixed while the sleeve is subjected to 20 inch-pounds of torque. The sleeve shall not turn-in, or break loose from the contact, nor shall the contact be deformed.

Durability: Per MIL-C-83413, except that the withdrawal force required to clear the detent shall be no less than 8 pounds nor more than 14 pounds.

Contact resistance Test current 10  $\pm$ 1 ampere, millivolts drop 50 maximum.

Altitude-low temperature. Not applicable.

Fluid immersion: Not applicable.

Mating plug: Per MIL-C-83413/4.

Part number. M83413/5-1

Certain provisions of this specification are the subject of International Standardization Agreement ASCC 12/25 and NATO STANAG 3632. When revision or cancellation of this specification is proposed which will affect or violate the international agreement concerned, the preparing activity will take appropriate reconciliation action through international standardization channels, including departmental standardization offices, if required.

Custodians:

Army - AV

Navy - AS

Air Force - 11

Preparing activity

Navy - AS

(Project 5935-3142-5)

Review activities:

Army - ME, AR, CR, MI

Air Force - 85, 99, 18, 82, 90

DLA - ES

User activity

Navy - MC

International interest

ASCC 12/25

NATO STANAG 3632

ISO 46

Agent:

DLA - ES